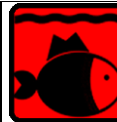





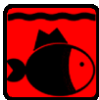
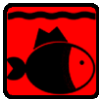
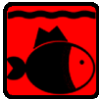



Assessment Summary

Lower Howard Creek 2.7 to 6.55 KY497285_02	     
West Fork to Near Winchester Reservoir	
Clark County, Kentucky River Basin	
HUC 05100205	
Assessment Date: 2/22/2016	
This part of the stream does not support aquatic life, does not support swimming (Primary Contact Recreation), does not support the OSRW designated use.	




Use	Cause of Impairment	Suspected Source(s) of Impairment	Basis for Listing	Data Collection and Analysis Methods ^{1,2,3}
 (5-NS)	Nutrient/Eutrophication Biological Indicators	Livestock (Grazing or Feeding Operations), Upstream Impoundments (e.g., PI-566 NRCS Structures)	Problems associated with nutrient enrichment are evident in water quality conditions and/or the aquatic community	Biological Monitoring, Habitat Assessment, Monitoring data more than 5 years old, Physical/Chemical Monitoring
 (5-NS)	Organic Enrichment (Sewage) Biological Indicators	Livestock (Grazing or Feeding Operations), Upstream Impoundments (e.g., PI-566 NRCS Structures)	Problems associated with decaying plant and animal material (e.g. waste) are evident in water quality conditions and/or the aquatic community	Biological Monitoring, Habitat Assessment, Monitoring data more than 5 years old, Physical/Chemical Monitoring
 (5-NS)	Specific Conductance	Livestock (Grazing or Feeding Operations), Non-Point Source, Residential Districts	Elevated dissolved substances are negatively affecting the aquatic community	Biological Monitoring, Habitat Assessment, Monitoring data more than 5 years old, Physical/Chemical Monitoring
 (5-NS)	Escherichia coli	Livestock (Grazing or Feeding Operations), Non-Point Source	Concentrations exceeded the water quality standard	Monitoring Data Collected by Other Agencies or Organizations, Pathogen Monitoring

¹ Data locations: Physical/chemical monitoring data and pathogen data can be found on the EPA Water Quality Portal; chemical monitoring data for regulated facilities (e.g. wastewater and drinking water) can be found in the EPA ECHO database (online); biological monitoring summary scores and habitat assessment scores can be found in the EPA STORET database (online); and raw community species data and fish tissue analysis data are available on request through KDOW Open Records (expected in STORET 2015).

² Data Source(s): KDOW IS, KDOW NPS, KDOW WBM

³ Data Collection Date(s): 7/15/1998 - 8/28/2012

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 (5-NS)	Nutrient/Eutrophication Biological Indicators	Livestock (Grazing or Feeding Operations), Upstream Impoundments (e.g., PI-566 NRCS Structures)	Problems associated with nutrient enrichment are evident in water quality conditions and/or the aquatic community	Biological Monitoring, Habitat Assessment, Monitoring data more than 5 years old, Physical/Chemical Monitoring
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